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Title: **WO9308402A1: ROTARY MACHINE**

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Country: **WO** World Intellectual Property Organization (WIPO)

Kind: **A1** Publ. of the Int. Appl. with Int. search report

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Issued/Filed Dates: **April 29, 1993 / Oct. 15, 1992**

Application Number: **WO1992FR0001010**

IPC Class: **F04C 2/107;**

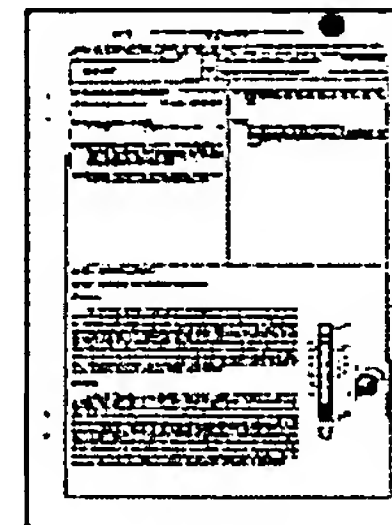
Priority Number(s): **Oct. 23, 1991 FR1991000013530**

INPADOC Legal
Status:

| <u>Gazette date</u> | <u>Code</u> | <u>Description (remarks)</u> List <u>all possible</u> <u>codes for WO</u> |
|---------------------|-------------|--|
| April 22, 1994 | ENP | Entry into the national phase in: |
| April 12, 1994 | ENP | Entry into the national phase in: (CA 2121131) |
| July 8, 1993 | DFPE | Request for preliminary examination filed prior to expiration of 19th month from priority date |
| April 29, 1993 | A1 | Publication of the international application with the international search report |
| April 29, 1993 | AK | Designated states (CA JP NO US) |
| April 29, 1993 | AL | Designated countries for regional patents (AT BE CH DE DK ES FR GB GR IE IT LU MC NL SE) |
| Oct. 15, 1992 | AE | International application |
| Oct. 23, 1991 | AA | Priority claimed |

Designated Countries: **AT BE CA CH DE DK ES FR GB GR IE IT JP LU MC NL NO SE US**

Abstract: The invention discloses a rotary positive displacement machine in which the closed system is constituted by a male part (5) and a surrounding female part (4), having relative planetary movement with respect to each other. It is characterized by the definition of the external surface of the male part (50) and by the specific properties



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which it gives to the closed system, particularly when this is of a helical type, and also by the nature of the internal contacts (40, 50) between male (5) and female (4) parts. Said machine can handle any type of fluid and operate as motor or generator. Applications are found particularly in the field of drilling motors, pumps and screw or cylinder compressors where such machines have the advantage of allowing a wide variety of shapes, few moving parts, large swept volume for a given size and, for helical machines, absolutely conjugate sliding contact surfaces.

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► [See a clear and precise summary of the whole patent, in understandable terms.](#)

Family: [Show known family members](#)

Other Abstract Info: none

Foreign References: No patents reference this one



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